

Quality Standard

Product	R-507		
Type of Product	Blend		
- Refrigerant Components	-	R-125	R-143a
- Nominal Composition	% by weight	50%	50%
- Allowable Composition	% by weight	49.5÷51.5 (%)	48.5÷50.5 (%)

Technical Specification	Reporting Units	R-507
Vapor Phase Contaminants:		
Air and Other Non-condensables, Maximum	% by volume @ 25.0°C	1.5
Liquid Phase Contaminants:		
Water, Maximum	ppm by weight	10
All Other Volatile Impurities, Maximum	% by weight	0.5
High Boiling Residue, Maximum	% by volume or % by weight	0.01
Particulates/Solids	Pass or Fail	Visually clean
Acidity, Maximum	ppm by weight (as HC1)	1
Chloride ¹	Pass or Fail	No visible turbidity
Characteristics:		
Bubble Point ²	°C @ 101.3 kPa	-46.7
Dew Point ²	°C @ 101.3 kPa	-46.7
Critical Temperature ²	°C	70.6

1. Recognized chloride level for pass/fail is about 3 ppm.

2. Boiling points, boiling point ranges and critical temperatures, although not required, are provided for informational purposes.

Values meet the International Specification AHRI 700-2019.

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